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REPORT

CD NO.

COUNTRY	USSR	DATE OF INFORMATION	1950
SUBJECT	Scientific - Electronics, vacuum, tubes, physics	DATE DIST.	2 NOV 1951
HOW PUBLISHED	Book		
WHERE PUBLISHED	Leningrad	NO. OF PAGES	6
DATE PUBLISHED	1950	SUPPLEMENT TO REPORT NO.	
LANGUAGE	Russian		

THIS IS UNEVALUATED INFORMATION

SOURCE Primeneniye Elektronnykh Lamp v Eksperimental'noy Fizike,

INFORMATION FROM THE BOOK, "THE USE OF ELECTRON TUBES IN EXPERIMENTAL PHYSICS," BY A. M. BONCH-BRUYEVICH

Excerpts from the Author's Foreword

The extensive use of electron tubes in experimental physics has given rise to a new branch of science, the radio engineering of physical laboratories. This field of experimental science is exceptionally rich in the diversity of electron tube applications. This book describes only the more typical circuits and devices, ones which have been used extensively in experimental physics. Up to this time, many of these have been described only in general terms or cited only in periodical literature. The book also includes some general information on electric processes in devices containing electron tubes.

The book was completed early in 1949 and only a few changes have been made in its since. The book was based on a course of lectures read to upper-division physics students. In content, purpose, and structure, the book differs essentially from courses on radio engineering and electron tubes published previously, as the latter were intended primarily for radio engineers. This book is intended for physics students and experimental physicists.

[The bibliography of 107 entries contains only 31 Russian items. It is notable, too, that these items are generally cited wherever the discussion is theoretical, while other sources are usually cited when a relatively new specific application is under discussion. For example, in Chapter I, Paragraph 6, Section e, "Artificial Lines" (under which heading delay lines are considered), the only references given are articles by Blewett and Kallman in "Proceedings of the Institute of Radio Engineers".]

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